

Moodle Archiving Taskforce

Tackling Activities Beyond Moodle Quizzes and Integrating Campus Management Systems

What

Previously we solved archiving Moodle quizzes into PDF files once and for all ...

Now we tackle the bigger picture!

Automation

Open Standards

Storage

Flexibility

Additional Files

Assignments

DMS / WORM

Archiving Status / Overview

Customizability

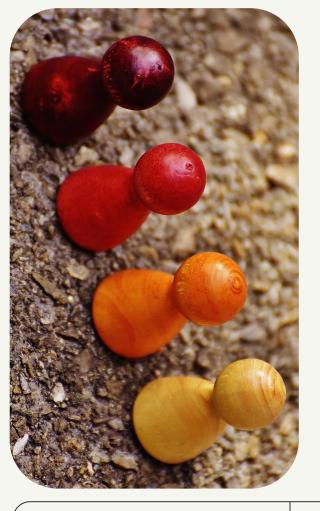
Campus Management Systems

Process Integration

Maintainability

Per-User Archives







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Why

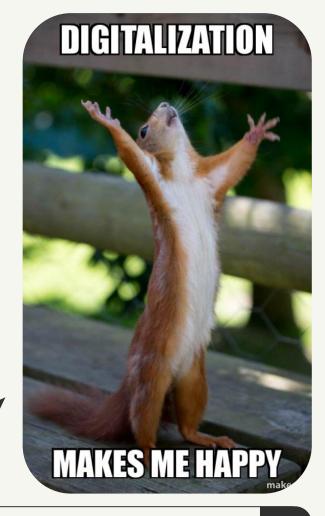
Because we are legally required to do so

And because we hate printing to PDF by hand ...

Also our printer fax machine just died ...

Ain't nobody got time for that ...

Oh, and because of this cute little guy



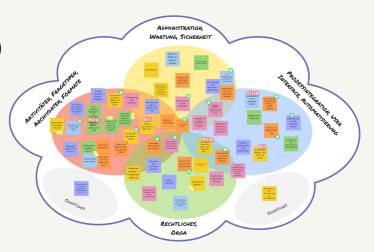
All of the following work is available on GitHub

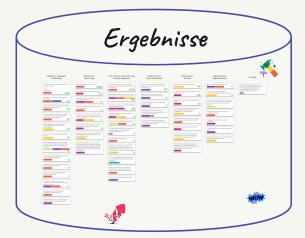


https://ngandrass.github.io/moodle-data-archiving-concept/

Stakeholder Workshop

- Interactive digital workshop
- Conducted in November 2024
- 58 People
- 46 Institutions
- Identifying general requirements and institution-specific needs
- Weighing their relevance as perceived within the sample group





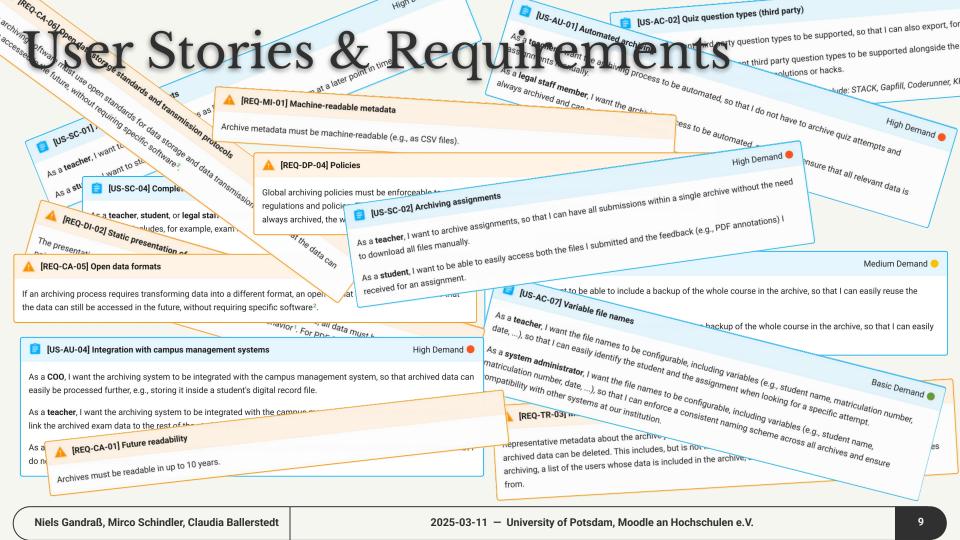
Stakeholder Workshop



User Stories & Requirements

- Based on workshop results, feedback from conference talks / sessions,
 personal interviews with university staff
- 106 user stories & 31 base requirements
- User stories weighed by their perceived relevance / demand
- Base requirements address general topics including:
 - data integrity, compatibility, data protection,
 regulatory topics, privacy, and many more ...

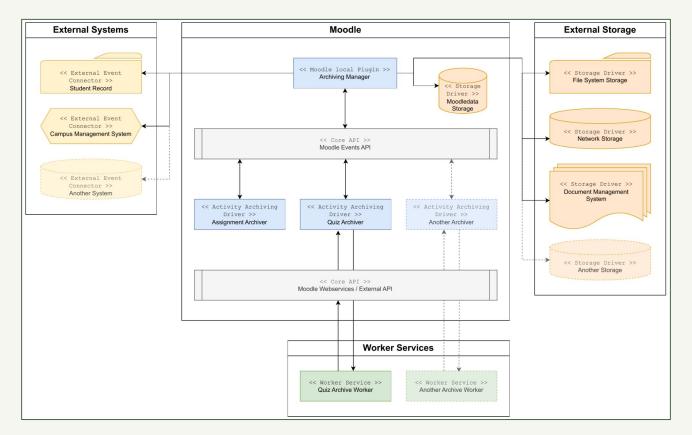




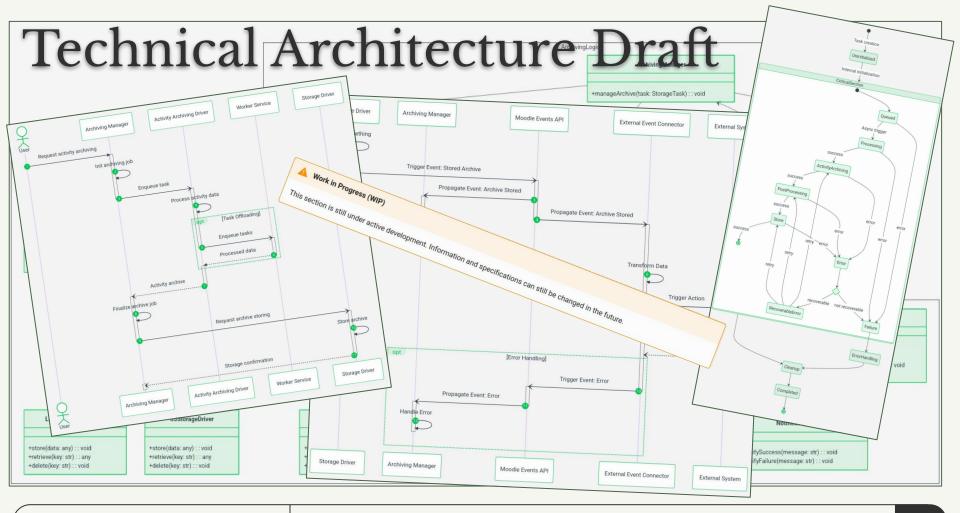
Technical Architecture Draft

- Flexible and extendable system with sub-plugin infrastructure
 - Support for different Moodle activities, storage backends, campus management systems, document management systems, ...
 - Sub-plugins can be provided by the community and allow institutions to integrate their own local systems / processes easily
- Central hub for archiving tests, assignments, and others
- Course-specific archiving overview
- Management of institution wide archiving policies
- ...

Technical Architecture Draft







Next Steps

heh...what's one more... 1



Prototypical Implementation 4



Stable release on GitHub for early-adopters

2



Re-evaluation of the technical architecture draft 5



Implementation of further highly-demanded Moodle activities, storage backends, ...

3



Full-featured implementation for a single activity with automated tests

6



Release within the Moodle Plugin Directory



Yeah, all nice and stuff But what does it cost?!

Everything will be open-source and freely available under the GPL v3.0 licence

Getting Involved

- Reach out to us for additional ideas / requirements / questions / funding
- Provide feedback on the current spec document via GitHub
- We are currently implementing the first prototype within our small group
 - Technical architecture might change as we go
 - No processes for structured code contribution / review yet
- Code contributions are highly appreciated once we have a single fully-featured implementation (one activity, one storage driver, ...)
 - Acts as a reference implementation for contributors

In The Meantime ...

- Check out the <u>current design documents</u>
- Try the already existing <u>Quiz Archiver Moodle Plugin</u>
 - Today already solves exporting Moodle Quizzes as PDF files with a single click
 - See: https://moodle.org/plugins/quiz_archiver
- Provide feedback on GitHub or via mail
- Take part in the upcoming discussion



Thank You!



Niels Gandraß Mirco Schindler Claudia Ballerstedt 2025-03-11 University of Potsdam Moodle an Hochschulen e.V.

